

AIR DISTRIBUTION METHOD AND CONTROLLER
FOR A FUEL CELL SYSTEM

ABSTRACT OF THE DISCLOSURE

An airflow control system and method for a fuel cell includes a compressor that supplies air to a storage chamber for storing the air. Fuel cell subsystems are connected to the air storage chamber. Each of the fuel cell subsystems includes a flow controller and flow sensor. A sensor measures air pressure in the storage chamber. A controller polls the flow controllers of the fuel cell subsystems for a minimum required air pressure for the fuel cell subsystems. The controller selects a highest minimum required air pressure. The controller controls the compressor to provide the highest minimum required pressure in the air storage chamber. The air storage chamber includes tubing, a manifold or both.

1002727.121201